Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

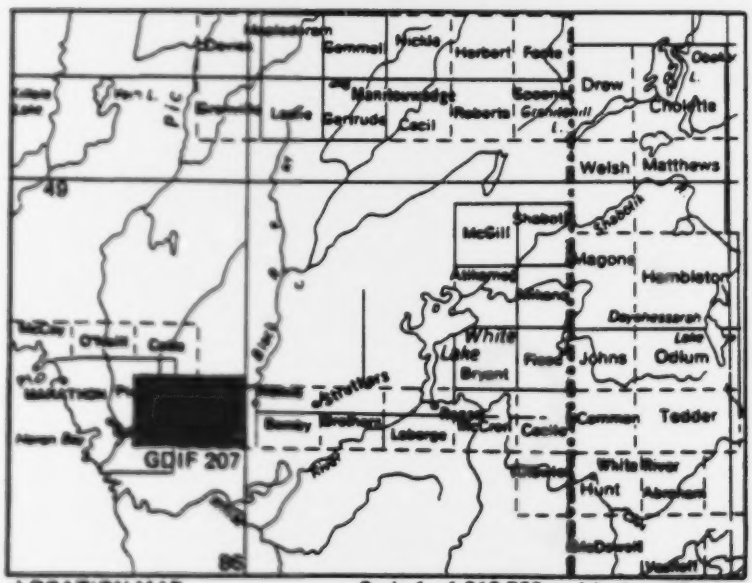
John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
GEOLOGICAL DATA INVENTORY FOLIO
GDIF 207

ROUS LAKE AND PART OF PIC AND LECOURS TOWNSHIPS

DISTRICT OF THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Thunder Bay



LOCATION MAP

Scale 1 : 1,013,760 or 1 inch to 16 miles

NTS Number 42 D 9/NE

Mining Claim Map Number G-611 (M-1602) Rous Lake and Part of Lecours Township, G-630 (M-1860) Pic Township

This project was funded equally by the governments of Canada and Ontario under the Northern Ontario Rural Development Agreement (NORDA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Rous Lake Area and Part of Pic and Lecours Townships, District of Thunder Bay; Ontario Geological Survey, Geological Data Inventory Folio 207, compiled by the staff of the Resident Geologist's Office, Thunder Bay, 22p. and 2 maps.

Original Compilation by: T. Twomey

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map - 1

Exploration Data Map - 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files Assessment	YES	T. OCT./84
2	Assessment Files Research Office, Toronto	YES	T. OCT./84
3	ODM General Index; 7 volumes	YES	T. OCT./84
4	Catalogue of Airborne Geophysical Surveys (ODM)	NO	T. OCT./84
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	T. OCT./84
6	ODM Industrial Mineral Reports	NO	T. OCT./84
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	T. OCT./84
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	T. OCT./84
9	Newspaper Clippings File	YES	T. OCT./84
10	GSC Index to Publications	YES	T. OCT./84
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	T. OCT./84
12	OGS Index Maps	YES	T. OCT./84
13	Source Mineral Deposit Records (O.G.S.)		
14	Author - Subject Articles File	YES	T. OCT./84
15	Miscellaneous Papers: ODM & OGS	YES	T. OCT./84
16	ODM Geological Circulars: OGS Study Series	NO	T. OCT./84
17	ODM Preliminary Reports: ODM Bulletins	YES	T. OCT./84
18	ODM – OGS Open File Reports	YES	T. OCT./84
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	T. OCT./84
20	OGS Aggregate Resources Inventory Papers	NO	T. OCT./84
21	OGS Mineral Potential Maps	YES	T. OCT./84

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anns . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- ▲ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- △ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- ▲ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt. . . . . Garnet
- △ goe . . . . . Goethite
- △ Au . . . . . Gold
- △ gf. . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- ▲ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- △ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- △ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- △ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . Zinc
- △ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Northern Eagle Mines (Barite Occurrence)	ba			OGS, 1984, MP 118
B	Padre Barite Occurrence (Gracey, K., Pezim, M.)	ba			Resident Geologist's Assessment Files, Thunder Bay
C	Nexus Resources (Cameron, K.)	Zn, Cu, Mo			Resident Geologist's Assessment Files, Thunder Bay

GDIF FORM NO. 1

TYPE OF WORK	Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1 Aurelian Developers Ltd. F.N.: 2.5670								83	83										
2 Autocrat Resources Ltd. F.N.: 2.5550											83	83							
3 Baden Exploration Inc. F.N.: 2.6037											83	83							
4 Bel Air Resources Ltd. F.N.: 2.483, 2.5188	81			82[1]	82						82	82							
5 Cameron, K. (Nexus Resources) F.N.: 2.6278	83		83					83	83		83	83							
6 Cannon Mines Ltd. F.N.: 2.5799											83	83							
7 Crescent Mines Ltd. F.N.: 2.6094		83																	
8 Devonian Resources Ltd. F.N.: 2.5547											83	83							
9 Dodds, J. (Lampe Resources) F.N.: 2.5752											83								

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
10	El Paso American Energy Corp. F.N.: 2.5549											83	83							
11	Fourstar Petroleum Resources Ltd. F.N.: 2.6570	83	83																	
12	Godin, E. F.N.: 2.6089											83	83							
13	Golden Range Resources Ltd. F.N.: 2.6139											83	83							
14	Goldfields Resources Ltd. (Triple Crown Resources) F.N.: 2.6852	83	83																	
15	Hansen, J. (Golden Rule Resources) F.N.: 2.6019								83	83										
16	Hardy International Inc. F.N.: 2.6159, 2.6437	83	83									83								
17	508610 Ontario Incorporated (International Cherokee) F.N.: 2.5852, 2.6812								83	83					83					

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																					
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY						
18	Hawkins, J. (Stanmar Resources) (Tandem Resources) F.N.: 2.5829, 2.6203		83						83	83													
19	Ican Resources Ltd. F.N.: 2.6366								83	83													
20	Inter-Continental Energy Corp. F.N.: 2.5551											83	83										
21	International Laco Resources Ltd. F.N.: 2.5548											83	83										
22	Mid-Canada Expl. Services (Melrose Resources) F.N.: 2.5262											82	82										
23	Mid-Canada Expl. Services F.N.: 2.5934								83	83													
24	Murray, B. (Captain Consolidated Resources) F.N.: 2.6096								83	83													

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
25	Nabigon, J. (Huncho Gold Mines) F.N.: 2.6148											83	83							
26	Narex Ore Search Consultants F.N.: 2.6015								83	83										
27	Noranda Mines Ltd. F.N.: 2.2015, 2.2194, 2.2356	76			75							76	76							
28	Northern Eagle Mines Ltd. F.N.: 2.5842								83	83										
29	Opsal, F., Kohn, S. (Youngman Oil & Gas Ltd.)											83	83							
30	Perkin, J. (Honcho Gold Mines) F.N.: 2.6149											83	83							
31	Rabbit Oil & Gas Ltd. F.N.: 2.5478											83	83							
32	Rhodes Resources Ltd. F.N.: 2.5521											83	83							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
33	Ripple Resources Ltd. F.N.: 2.5764	83										83	83							
34	Sicard, E. (Wayfair Explorations) F.N.: 2.6691												84							
35	Sicard, E. (Wayfair Explorations) F.N.: 2.6691												84							
36	Southern Union Resources Ltd. F.N.: 2.5546											83	83							
37	Thompson, D. (International Corona & Galveston Petroleum) F.N.: 2.5453											83	83							
38	Thompson, D. (Radian Resources) F.N.: 2.6178								83	83										
39	Thompson, D. (Zenco Resources) F.N.: 2.6046, 2.6320	83							83	83										

GDIF FORM NO. 2

| TYPE OF WORK | | Numbers below represent the year in which the work was done; e.g., 68 for 1968. | | |

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
1	Noranda Mines Ltd.	S-167	April/75	007°	-50°	4	350	py	Cu, Zn, Au, Ag
2	" " "	S-166	"	011°	-50°	10	670	py	Cu, Zn, Au, Ag
3	" " "	S-168	May/75	020°	-50°	4	370	py	
4	" " "	S-169	May/75	004°	-50°	6	405	py	Cu, Zn, Au, Ag

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	Digem Limited Aurelian Developers Ltd.	Magnetic, Electromagnetic, V.L.F.-E.M., Resistivity	36 metres to 59 metres	North/South	200 metres
5	Aerodat Limited K. Cameron (Nexus Resources)	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres
15	Digem Limited Golden Rule Resources (J. Hansen)	Magnetic, Electromagnetic, V.L.F.-E.M., Resistivity	36 metres to 59 metres	North/South	200 metres
17	Aerodat Limited International Cherokee	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres
18	Aerodat Limited S. Hawkins	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres
19	Digem Limited Ican Resources	Magnetic, Electromagnetic, V.L.F.-E.M., Resistivity	36 metres to 59 metres	North/South	200 metres
23	Aerodat Limited Mid-Canada Exploration Services (Vanstates Resources)	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres
24	Aerodat Limited B. Murray (Captain Consolidated)	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres
26	Aerodat Limited	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres
28	Aerodat Limited Northern Eagle	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres

GDIF FORM NO. 4

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
38	Aerodat Limited D. Thompson (Radian Resources)	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres
39	Aerodat Limited D. Thompson (Zenco Resources)	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres
43	Aerodat Limited W. Whymark (Gulliver Creek Gold Syndicate)	Magnetic, Electromagnetic, V.L.F.-E.M.	60 metres	North/South	100 metres

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	Soil Geochemistry	Au, Cu, Pb, Zn, Ni, Co, Ag	Crescent Mines Limited	Resident Geologist's Assessment Files, Thunder Bay
2	Humus and Rock Geochemistry	Au, Ag	Hawkins, S. (Tandem & Stanmar Resources)	Resident Geologist's Assessment Files, Thunder Bay
3	Soil Geochemistry (B Horizon)	Au, Cu, Pb, Zn, Mo	Manwa Explorations (Hardy International)	Resident Geologist's Assessment Files, Thunder Bay
4	Rock Geochemistry (B Horizon)	Au, As, Mo, Zn, Cu	Fourstar Petroleum Resources	Resident Geologist's Assessment Files, Thunder Bay
5	Soil Geochemistry (B Horizon)	Au, Ag, Cu, Mo, Zn, As	Orequest Consultants (Triple Crown Resources)	Resident Geologist's Assessment Files, Thunder Bay

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Thunder Bay

Aurelian Developers

Autocrat Resources

Bel Air Resources

Captain Consolidated Resources

Devonian Resources

El Paso American Energy Corporation

Golden Range Resources

Golden Rule Resources

Inter-Continental Energy Corporation

International Laco Resources

Melrose Resources

Mid-Canada Exploration Services

Narex Ore Search Consultants

Nexus Resources

Noranda Mines Limited

Northern Eagle Mines Limited

Rabbit Oil and Gas Limited

Radian Resources

Ripple Resources

Rhodes Resources

Tandem Resources

Triple Crown Resources

Tuscaloosa Oil and Gas Limited

Youngman Oil and Gas Limited

Zenco Resources

ODM GENERAL INDEX SEARCH

Words searched: Black River, Heron Bay Area, Lecours, J., Lecours Township, Melgund, Pic River, Pic Township

Index Volume	Listing:	Report Volume	Part	Page
1	Melgund, Pic Township			
	Keewatin rocks near,	11	1	231
	Pic River, Lake Superior, Thunder Bay District			
	Gold mining	R.C.		115
	Maps, sketch	17		129
	Rocks in and near	8		131, 133, 167
	Gneiss, photo	18	1	151
	Huronian	4		124
	Petrography	7		148
	Sandstone	9		161
	Siliceous	9		183
	Syenite	14	1	198, 212, 230
	Silver near	R.C.		29
	Pic Township, Thunder Bay District			
	Huronian rocks	8		167
2	Black River, Heron Bay, Lake Superior			
	Molybdenite	22		289
3	Black River, Pic River			
	Rocks	40	2	30
		41	6	40
	Heron Bay Area, Thunder Bay District			
	Report, J. E. Thomson	40	2	21-39
	Pic Township, Thunder Bay District			
	Rocks	40	2	28, 32
		41	6	
6	Black River, Pic River			
	Mining claims	66	8	88
8	Black River Area, Thunder Bay District			
	Cu/Ni/Pb/Zn	GR072		56-63
	Geology of the area			
	Report & maps 2143 thru 2147 by V. G. Milne, 1968	GR072		

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	Pic Township, Thunder Bay District			
	Copper	GR043		44
		MRC012		298-299
	Feldspar	MP016		52-54
	Uranium	MRC009		87

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W.	1971	Ontario Geological Map, West Central Sheet.	ODMNA, Map 2199	1 inch to 16 miles
Milne, V. G., et al	1972	Manitouwadge - Wawa Sheet, Algoma, Cochrane, Sudbury and Thunder Bay Districts, Ontario. Geological Compilation Series. Associated map P-541.	ODM Map 2220	1 inch to 4 miles
		GEOLOGICAL MAPS AND REPORTS		
Bell, R.	1872	Report on the Country North of Lake Superior, between the Nipigon and Michipicoten Rivers, Ontario.	GSC, Report of Progress 1870-1871, Pt. VIII	
Card, K. D.	1981	Compilation of Bedrock Geology of Central Superior and Southern Provinces, Ontario.	GSC - OFR 729	1:250,000
Colvine, A. C. (Ed.)		The Geology of Gold in Ontario.	OGS, MP 110	pp. 226-240
GSC	1935	Lake Nipigon Sheet, Ontario.	GSC, Map 308A	1 inch to 8 miles
Logan, W. E.	1847	Remarks on the Mining Region of Lake Superior: addressed to the Committee of the Honorable Executive Council, and the Report on Mining Locations Claimed on the Canadian Shores of the Lake, addressed to the Commissioner of Crown Lands.	GSC, Separate Report 391	
Muir, T. L.	1982	Geology of the Hemlo Area, District of Thunder Bay, Ontario. Accompanied by map 2452. Associated maps P-2304, 2305.	OGS, Report 217	p. 65 1:31,680

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Patterson, G. C., et al	1983	Report of Activities 1983, Regional and Resident Geologists.	OGS, MP 117	pp. 69-79
Patterson, G. C.	1984	Field Trip Guidebook to the Hemlo Area.	OGS MP 118	
Thomson, J. E.	1931	Geology of the Heron Bay Area, District of Thunder Bay, Ontario. Accompanied by map 40D.	ODM Annual Report, Vol. 40, Pt. 2	pp. 21-39
Thomson, J. E.	1933	Geology of the Heron Bay - White Lake Area, Thunder Bay District, Ontario. Accompanied by map 41J.	ODM Annual Report 1932, Vol. 41, Pt. 6	pp. 34-47 1 inch to 2 miles
Wilson, W. J.	1904	The Nagagami River and other Branches of the Kenogami, Ontario. Accompanied by map 847.	GSC Annual Report 15, Pt. A	
Wilson, W. J.	1909	Geological Reconnaissance of a Portion of Algoma and Thunder Bay Districts, Ontario. Accompanied by map 964.	GSC Separate Report 980	
Muir, T. L.	1982	Geology of the Heron Bay Area, District of Thunder Bay, Ontario. Accompanied by map 2439. Associated maps P-1981, P-1982.	OGS Report 218	p. 89 1:31,680
		GEOPHYSICAL MAPS AND REPORTS		
GSC - OGS	1963	Aeromagnetic Series Map, Heron Bay, Ontario.	Map 2156G	1 inch to 1 mile
GSC - OGS	1963	Aeromagnetic Series Map, Schrieber, Ontario.	Map 7088G	1 inch to 4 miles

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOCHEMICAL MAPS AND REPORTS		
GSC	1981	National Geochemical Reconnaissance coloured Compilation Map Series; Lake Superior, Ontario.	GSC - OFR 746	1:200,000
GSC - OGS	1978	Field Operations and Analytical and Statistical Data of Regional Lake Sediment and Water Geochemistry Schreiber and part of Longlac, NTS 42 D, 42 E, Thunder Bay District. Accompanied by maps P-1805-P-1818.	OGS - OFR 5248	1:250,000
		MINERAL POTENTIAL MAPS		
Springer, J. S.	1978	Ontario Mineral Potential, Schreiber Sheet, NTS 42 D, Thunder Bay District, Ontario.	OGS Map P-1520	1:250,000
Springer, J. S.,	1982	Mineral Potential Map of Ontario, West Central Sheet.	OGS - OFR 5326	1 inch to 16 miles
		SURFICIAL, PLEISTOCENE AND TERRAIN ENGINEERING		
Gartner, J. F.	1980	Northern Ontario Engineering Geology Terrain Study, Heron Bay, NTS 42 D/NE. Accompanied by map 5093.	OGS NOEGTS 60	1:100,000
Zoltai, S. C.	1966	Surficial Geology, Thunder Bay, Ontario.	Ontario Dept. of Lands and Forests Map S2-65	1 inch to 8 miles

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO.9

NOTES AND ADDENDA

GDIF FORM NO.10

86° 15'

48° 45'

Creek

Spruce

Creek

TOWNSHIP LINE

15

15

1

17

37

41

41

41

36

12

Swede

11

Creek

35

5

8

Block

21

32

10

28

5

7

Melgund

Cr

Melgund L

20

27

42

27,42

20

26

10

34

Melgund

Riv

13

39

26

34

PIC

86° 00'

48° 45'

TOWNSHIP LINE

15 15 19 24

1 1 33

17 37 37 40,14 31 22

41 41 36 37 40,14,27 31 27

Block River

5 8 21 32 2 29 29 29,27

10 27 29 27

5 20 27,42 42 18

Melgund L

20 6 Rous Lake

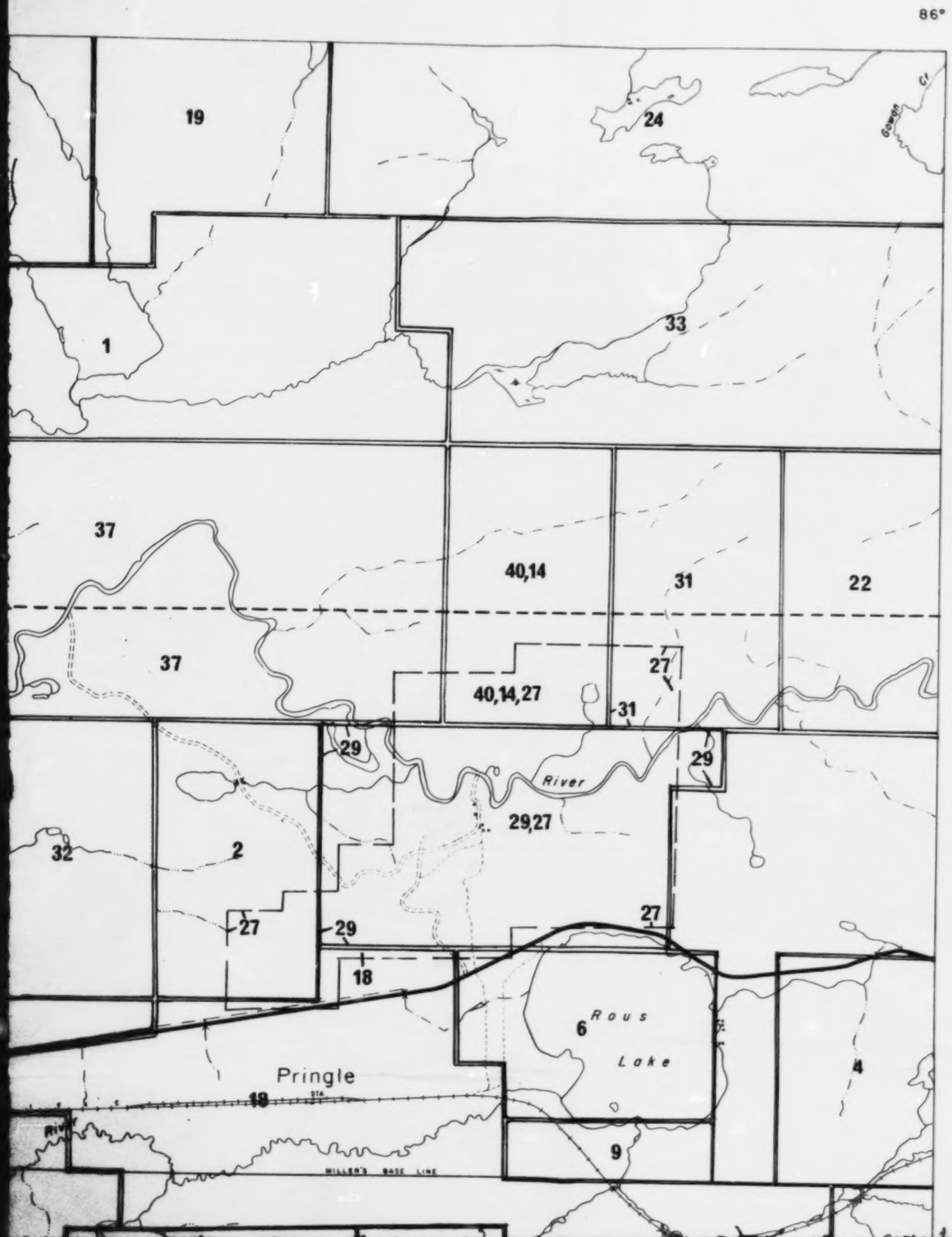
Pringle

10 34 River 18 9 4

34

Cr

Gosen Cr



Ministry of Natural Resources
Ontario

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 207

(Map 1 of 2)

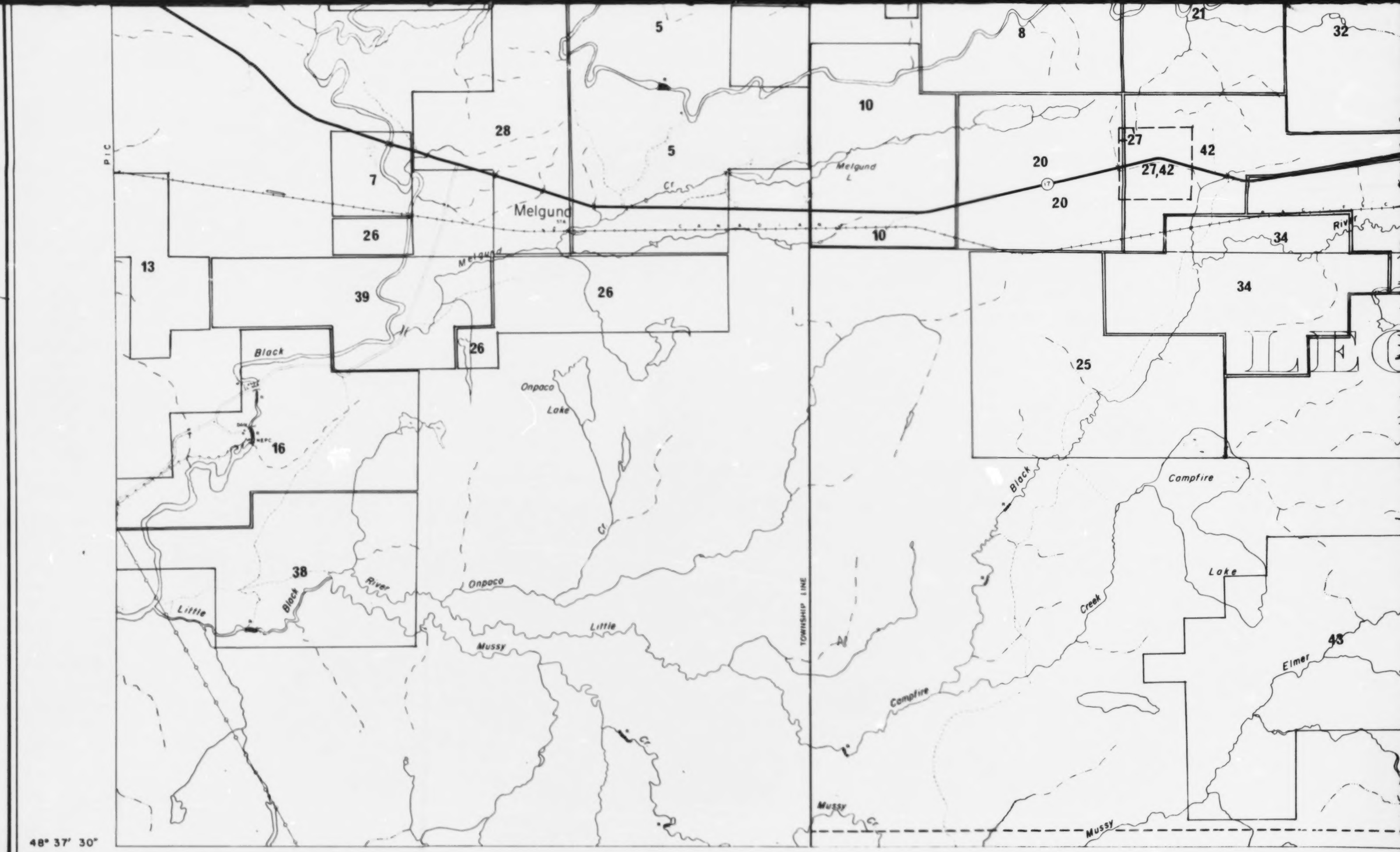
ROUS LAKE AND PART OF PIC AND LECOURS TOWNSHIPS

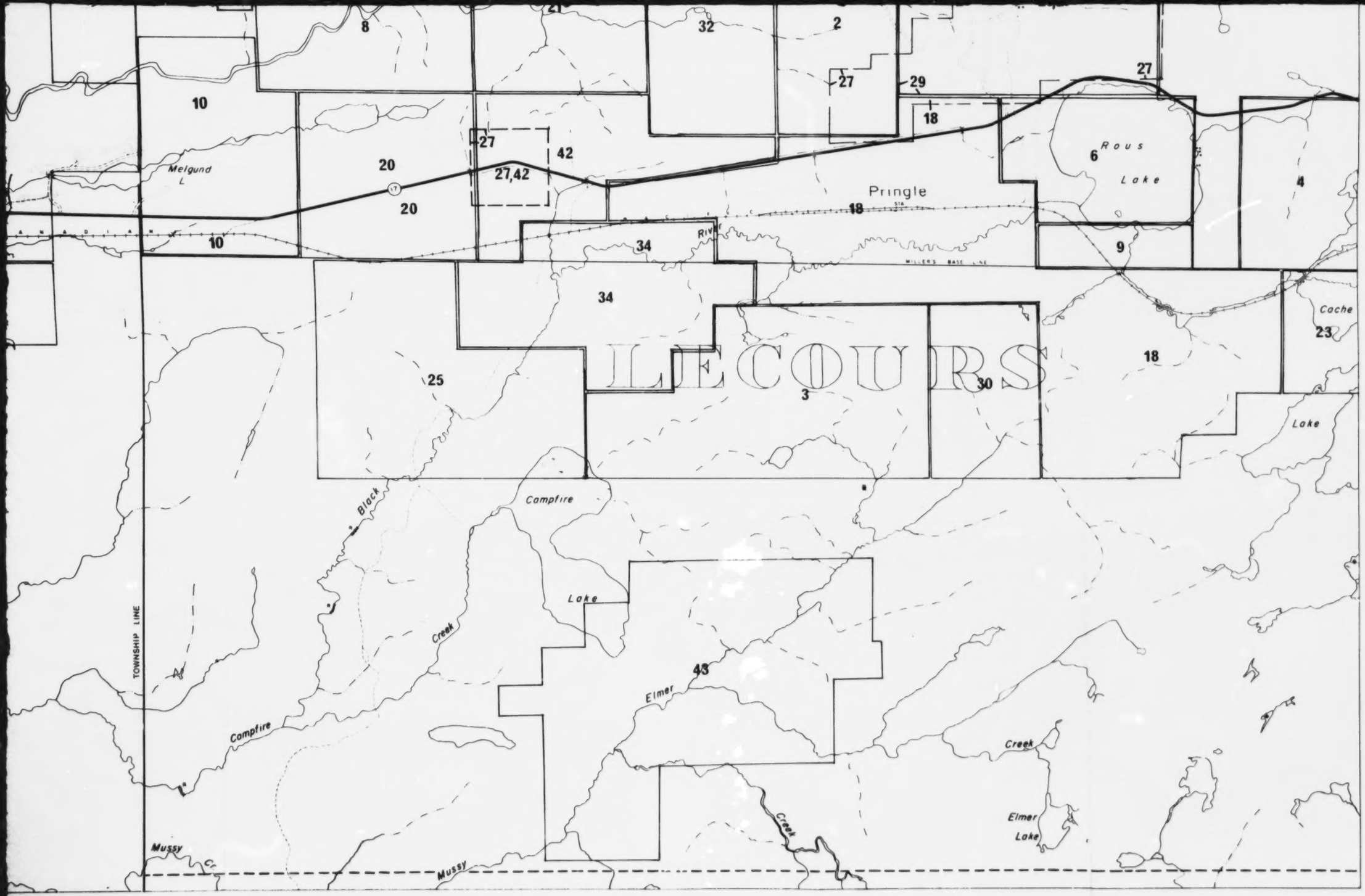
DISTRICT OF THUNDER BAY

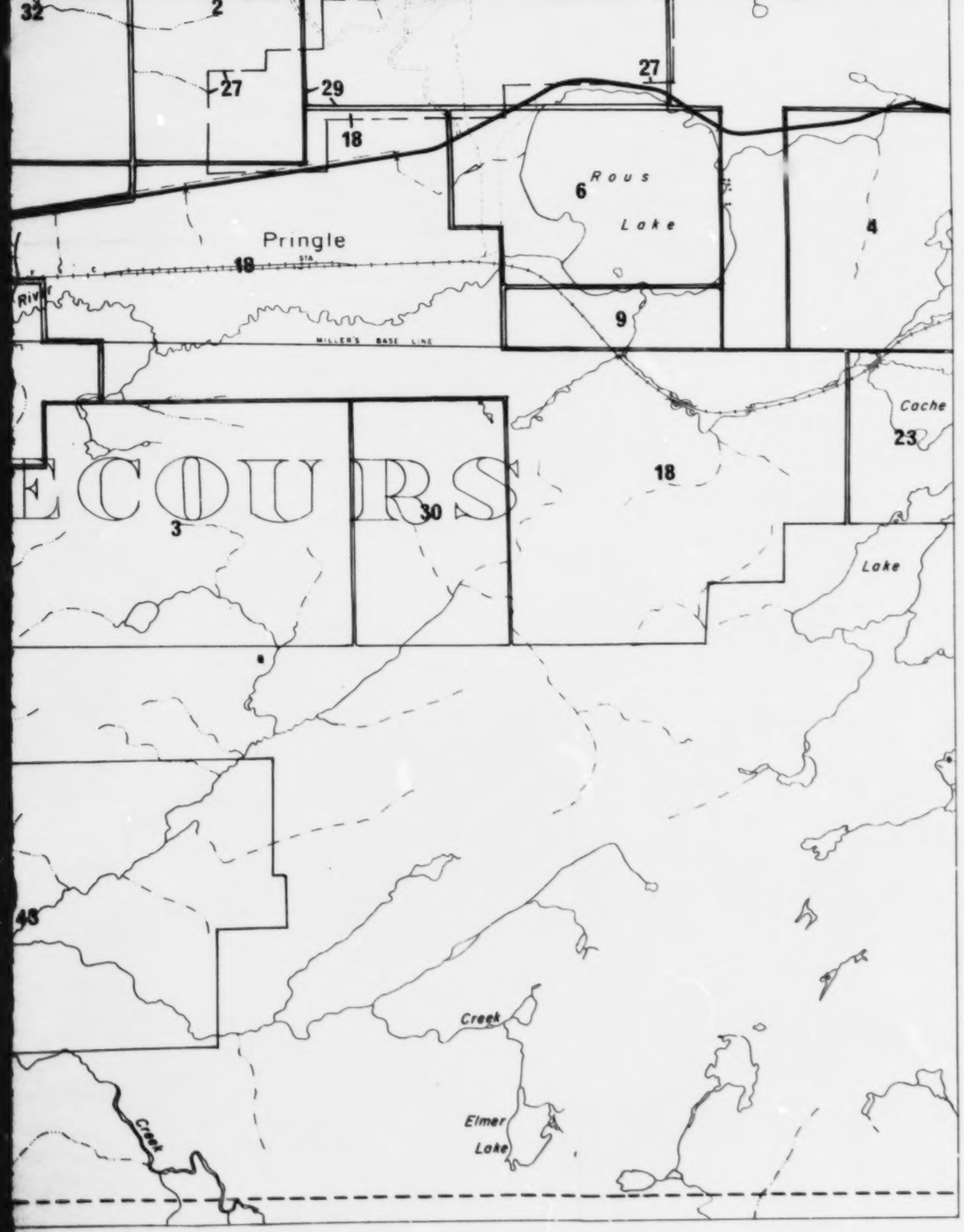
Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre


5
28
5
7
26
Melgund
Melgund L
Melgund Cr
13
39
26
26
Melgund
Black
Onpaco
Lake
16
38
Black River
Little
Onpaco Cr
Mussy
Little
Mussy Cr
TOWNSHIP LINE
48° 37' 30"
86° 15'
8
21
32
10
20
27
42
27,42
20
10
34
34
25
Black
Campfire
Lake
Creek
Campfire
Mussy
Mussy Cr
43
Elmer


8
21
32
2
27
29
27
18
10
Melgund
L
20
27
27,42
42
20
Pringle
18
6
Rous
Lake
4
10
34
River
9
34
Cache
23
25
3
30
18
Lake
Campfire
Black
Lake
TOWNSHIP LINE
Creek
43
Elmer
Campfire
Creek
Creek
Elmer
Lake
Mussy
Mussy
48° 37' 30"
86° 00'
LECOURS



48° 37′ 30″

86° 00′

EXPLORATION DATA FILE AREAS

☒ (1) (1) Reference number is always inside work area outlined. See listing in text pages.

☐ x (4) Small area of exploration.

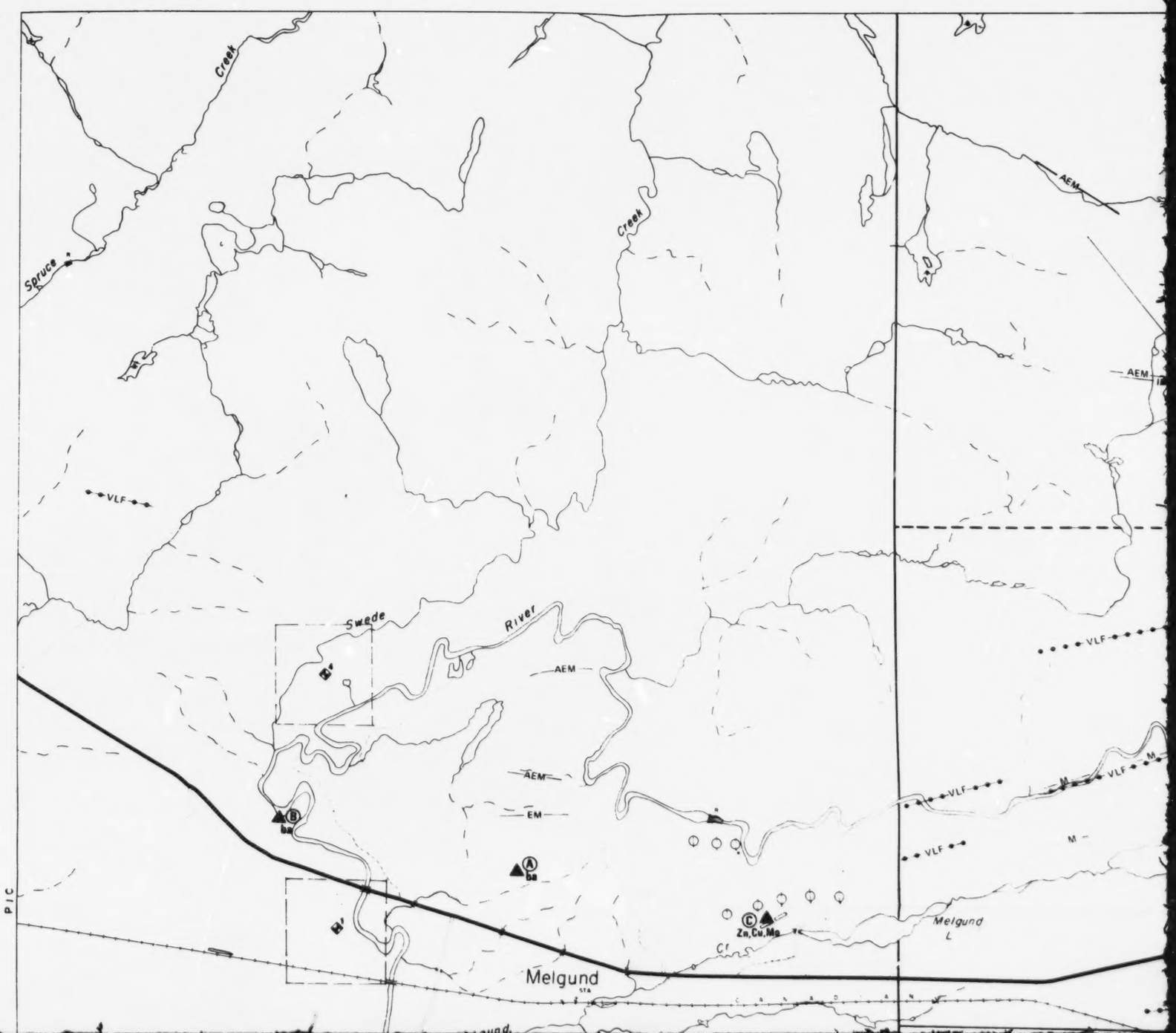
☐

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ☒ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number
- ☐ —

GEOPHYSICAL ANOMALIES

- ☒ AM — Airborne Magnetometer Anomaly
- ☐ — Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- ☒ — Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- ☐ — Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ☐ ARA — Airborne Radiometric Anomaly
- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☒ IP — Induced Polarization Anomaly
- ☐ SP — Self Potential Anomaly



COTTE TOWNSHIP

Creek

River

Black

River

Melgund L

Melgund
STA

Pringle
STA

Rous
Lake

AEM

AM

IP

EM

VLF

M

Zn, Cu, Mg

H5

H2

1

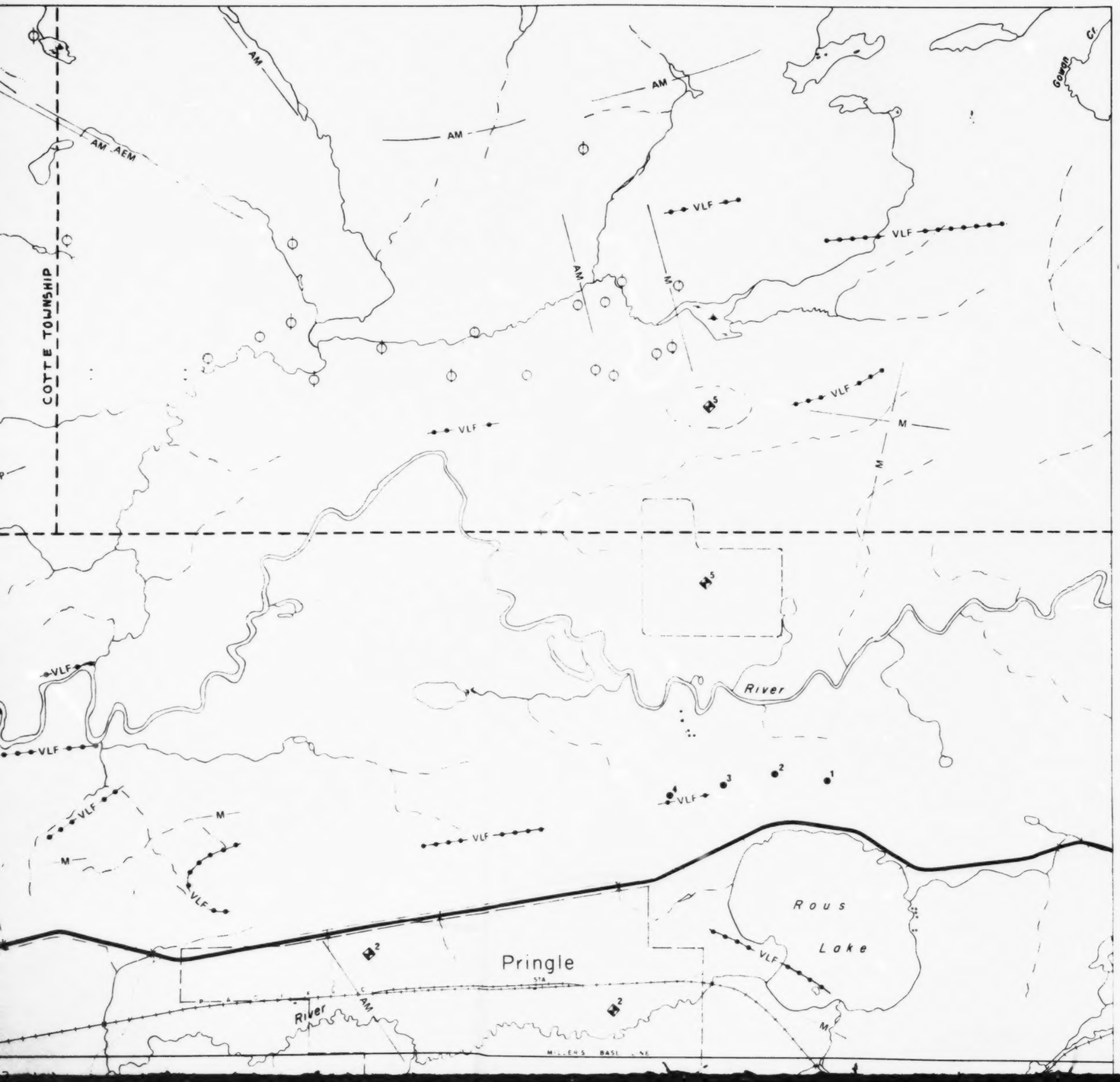
2

3

4

86° 00'

48° 45'



Ministry of Natural Resources
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Deputy Minister

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 207

(Map **2** of **2**)

ROUS LAKE AND PART OF PIC AND LECOURS TOWNSHIPS

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☒ cp A. — Mineral occurrence at surface, with reference letter
- ☐ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter

Location of anomaly along flight line

☐ Airborne Electromagnetometer Anomaly
Conductor Axis: definite, probable, possible

☐ ARA — Airborne Radiometric Anomaly

☒ M — Ground Magnetometer Anomaly

☒ VL — Ground Electromagnetometer Anomaly
(VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)

☐ RA — Ground Radiometric Anomaly

☒ IP — Induced Polarization Anomaly

☐ SP — Self Potential Anomaly

☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)

☐ R — Resistivity Anomaly

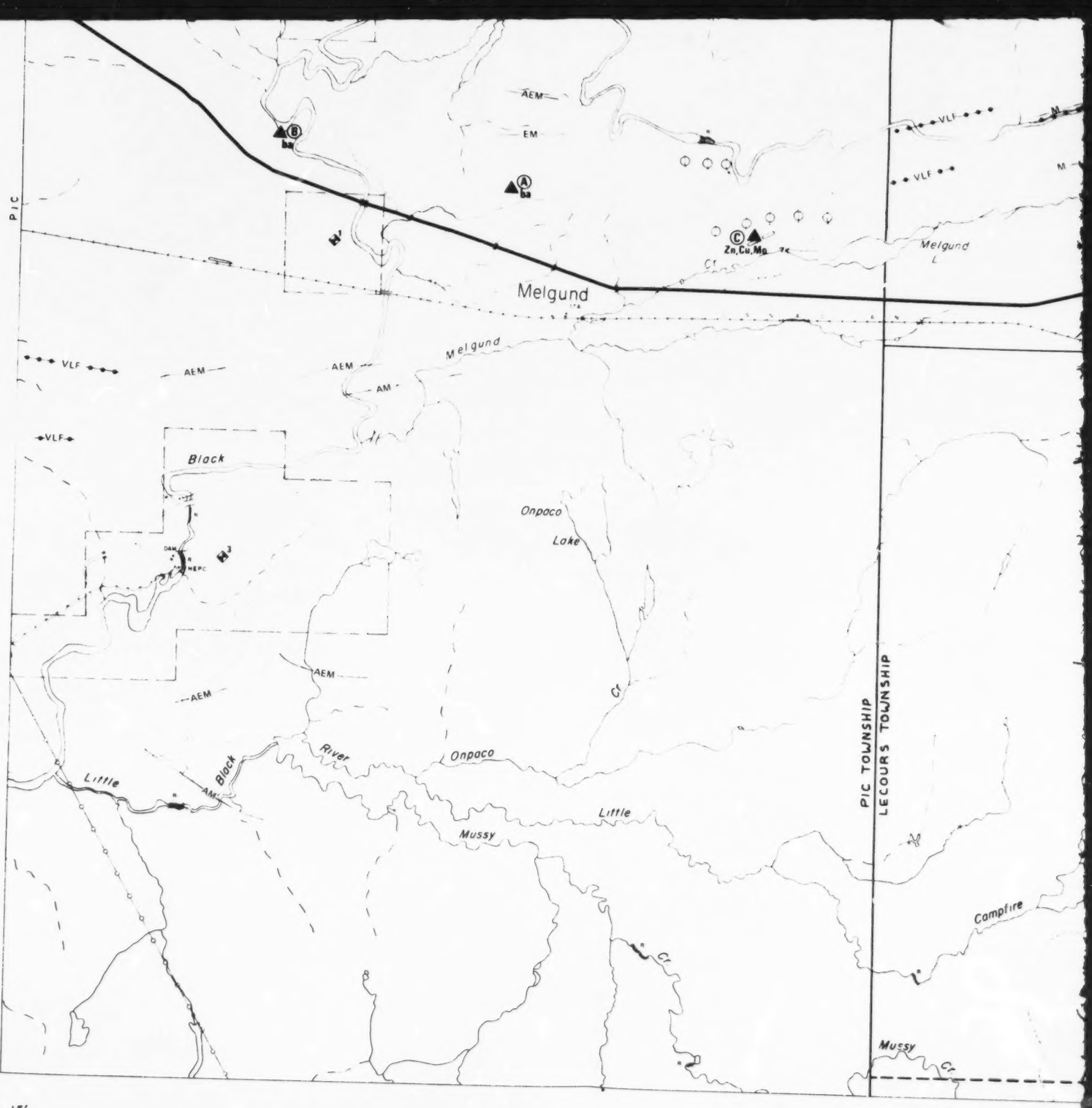
☐ GR — Gravity Anomaly

☒ AEM — Airborne Electromagnetic Anomaly

MISCELLANEOUS DATA

☒ Trenching, pit
☐ Adit
☐ Open pit
☐
☐ Rock quarry
☐ Sand and/or gravel pit
☐

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



PIC TOWNSHIP

LECOURS TOWNSHIP

LECOURS

Melgund

Pringle

Melgund Cr.

Melgund L.

Rous Lake

Onpaco Lake

Onpaco River

Onpaco Cr.

Black River

Little Mussy

Mussy Cr.

Campfire Lake

Campfire Creek

Black Creek

Elmer Creek

Elmer Lake

AEM

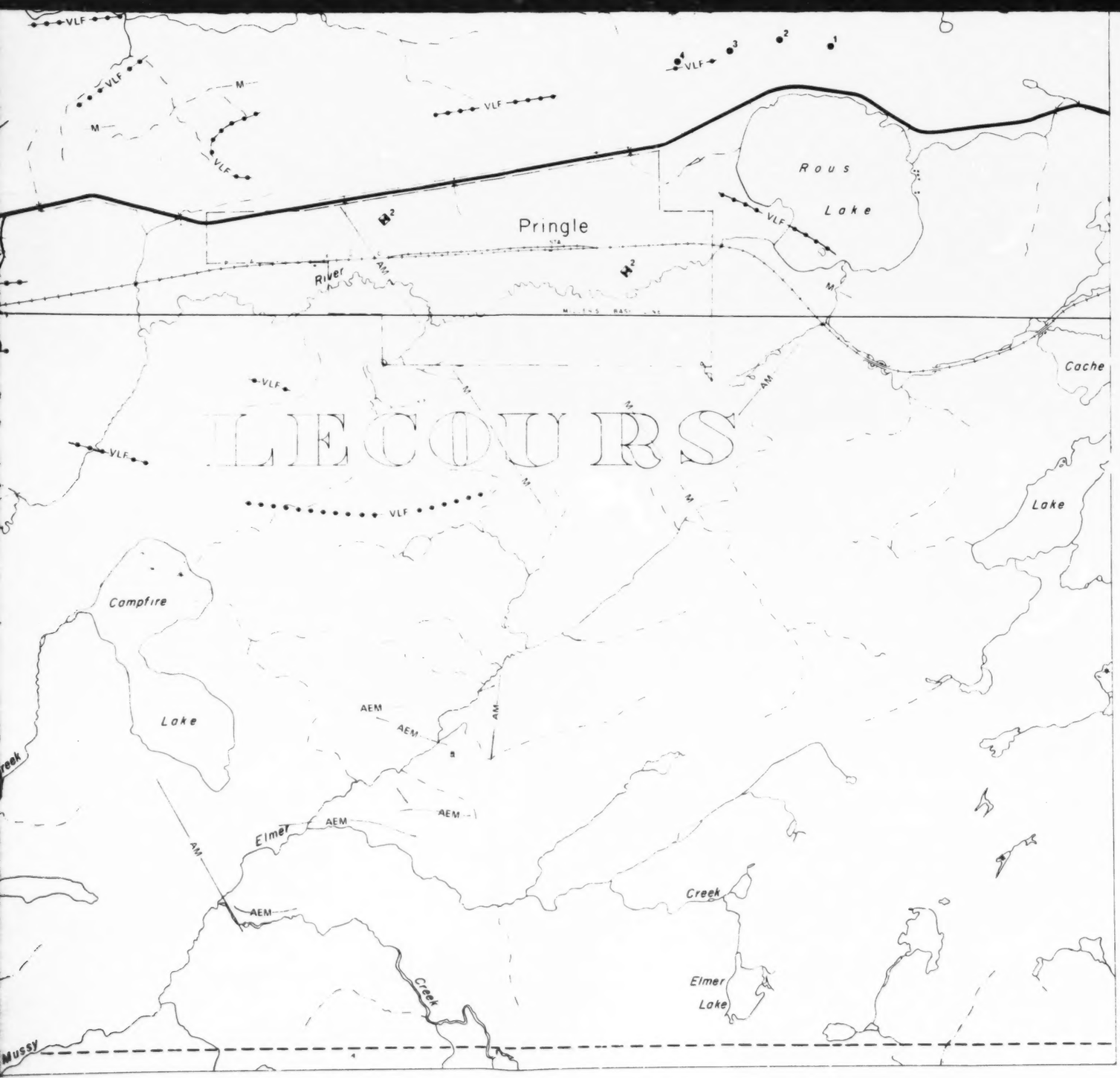
EM

AM

VLF

M

Zn, Cu, Mo



TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☒ cp A. — Mineral occurrence at surface, with reference letter
- ☐ Au A. 84′ — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp A. — Mineralized Float with reference letter
- ☐ —

DRILL HOLES

- ☒ ●² — Location of single drill hole, with reference number
- ☐ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ (?)² — Drill hole, exact location uncertain, with reference number.
- ☐ — Property with underground drill holes in this general area, with reference number
- ☐ ○² — Property with drill holes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number
- ☐ —